

METAL

AND PLASTIC FACE

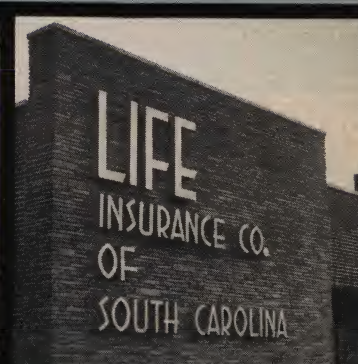
LETTERS

CUSTOM AND STOCK DESIGNS

Catalog MP-1-60

COL-ITE

1 9 6 0



© COLONIAL-HITES CO. 1959

ENGINEERED AND
MANUFACTURED BY

COLONIAL-HITES COMPANY
WEST COLUMBIA, SOUTH CAROLINA

*NOTE—The following trade names have been used in this catalog — please credit:—
Plexiglas—Registered trade mark for Rohm & Haas Company.

Alumilite—Registered trade name for a patented process for treating aluminum owned by the Aluminum Company of America.

Cal-ite—Registered trade name for Colonial-Hites letters (non-lighted)

Colonial-Hites Company

facilities

One of the largest and best equipped plants of its kind in the country, Colonial-Hites Company designs, manufactures, assembles and installs large and small signs of every description. Up-to-date equipment and facilities plus expert craftsmanship enable Colonial-Hites Company to produce signs that have been acclaimed by the nation's foremost architects and contractors.



fabrication and assembly

Letters for signs are fabricated of aluminum, stainless steel and Plexiglas* or cast in aluminum or bronze. During fabrication they are constantly checked for workmanship and adherence to specifications. When a sign leaves the Colonial-Hites plant it is as complete as possible, and with mounting template, is ready for installation.

advantages

distinctive identification

visual appeal

value

advertising merit

economy

built for years of service

consultation and design service

A staff of artists, specialists in the design and detailing of signs, is available for consultation.

Architects, contractors and business executives are invited to use the creative and technical skills of this staff to produce "signing" that will harmonize and enhance the beauty of an existing or contemplated structure.

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custom design

sizes and styles

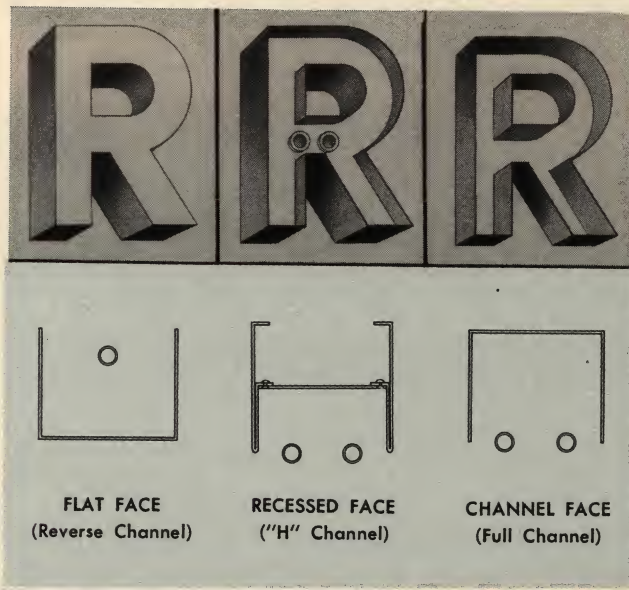
illuminated and non-illuminated

Custom designs shown on pages 4 through 8 are fabricated strictly to your design, both in size and style. Free rein is allowed the designer since mechanical restrictions are held to a minimum. Our skilled craftsmen can reproduce practically any type of letter or trademark.

mounting & lighting

(See pages 15-18)

Hardware and Template — Standard Hardware and full scale mounting template included in letter prices for individually mounted letters.



finishes†

aluminum-welded/sawed plate

No. 5 Natural Satin

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then sprayed with two coats of clear lacquer for protection.

No. 6 Bronze Metallic

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then sprayed with a clear polymer type binder with bronze powder, followed by a clear coat of the binder for added durability.

No. 7 Perma-Coat

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then enamelized by spray application with the finest quality polymer type coating which is baked at the required temperature for the recommended time. (Color chart on request.)

No. 8 Alumilite* Satin finish

Buffed faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; anodized for thirty minutes to give protection against corrosion, then sprayed with two coats of clear lacquer for additional protection.

No. 9 Aluminum Metallic

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then sprayed with a clear polymer type binder with aluminum powder, followed by a clear coat of the binder for added durability.

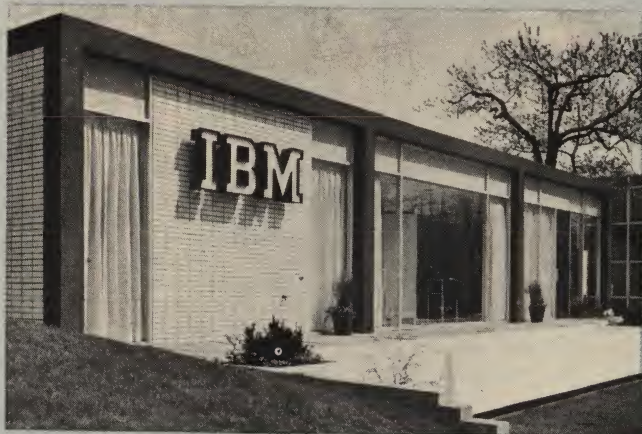
No. 11 Porcelain Enamel

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, sprayed with low melting frit, fired at 950-1050° F. for required time.

stainless steel

The returns of the stainless steel letter will be furnished in #4 polish finish. The faces are belted horizontally with a fine belt, thereby giving uniform satin finish.

†These finishes, when applied to plastic face letters, would concern only the returns of the letters.



International Business Machines Corp., Canton, Ohio
Builder: Benderson Development Co., Buffalo, N. Y.



Grand Leader, Southgate Plaza Shopping Center, Fort Wayne, Indiana
Architects: Sidney H. Morris & Associates, Chicago, Ill.
Builder: Alexander & Kingbay, Minneapolis, Minn.

ILLUMINATED LETTERS

welded aluminum

plexiglas*
face

custom design



Remington Rand, Boston, Mass.
Architect: Coletti Bros., Boston, Mass.
Contractor: Rapolli Bros., Inc., Boston, Mass.



materials

Channel Face (Full Channel), welded aluminum letter using .091" or .125"† 3003-H-14 alloy aluminum with standard exterior .187" colored Plexiglas* faces. 12 MM outline neon in the channel of each letter. Porcelain bushings for proper insulation and the correct number and size of transformers insure the ultimate in performance. The neon tubing is normally powered by 30 MA normal power factor transformers.

†Small additional charge.

colors

The plastic faces can be furnished in the following outdoor translucent Plexiglas* colors: Red 2415; Green 2030; Blue 2201; Yellow 2037; Yellow 2016; Orange 2143; Tan 2019; White W7328. (Color samples available direct from Rohm & Haas Co., Washington Square, Philadelphia 5, Pa.) Neon — the color most suitable for the plastic face. The inside channel of all letters have a white enamel finish for maximum reflection of light.

The returns can be left natural or furnished in our standard #7 Perma-coat (baked-on) or #11 Porcelain enamel colors as follows: Red, yellow, orange, blue, glossy black, satin black, white, green, turquoise, cream, brown and maroon (chart available on request.)

specifications

The letters shown on the plans shall be solid weld 3003-H-14 alloy aluminum letters with Plexiglas* faces as manufactured by Colonial-Hites Company, West Columbia, S. C. or approved equal. The letters will be 30" high, 6" faces, and 8" deep.

Faces shall be 3/16" thick Plexiglas* RED #2415
The Channel letters are of .091" aluminum

stock with back and returns finished in WHITE BAKED-ON ENAMEL. All welds shall be ground smooth and the backs shall be free of waves and distortions. The manufacturer shall mount in the channel of each letter, a DOUBLE tube of 12 MM CLEAR RED neon and 30 MA NORMAL power factor transformers, PL Type J. The inside channel of the letter to be enameled white for reflection of neon lighting. All letters to be mounted 4" from the face of the wall, WM Type 2. Detail shop drawings to be submitted for approval before fabrication. The manufacturer shall also supply a full scale template for positioning of studs and anchors. The complete sign installation shall be guaranteed for 1 year from date of installation.

price list/custom or standard design

WELDED ALUMINUM LETTERS WITH PLEXIGLAS FACES

Letter Height	Gauge of Return	Face Width	No. Tubes	# 5 Natural Satin # 6 Bronze Metallic # 7 Perma-Coat # 9 Aluminum Metallic			# 8 Satin Alumilite			# 11 Porcelain Enamel		
				Depth 4"	Depth 6"	Depth 8"	Depth 4"	Depth 6"	Depth 8"	Depth 4"	Depth 6"	Depth 8"
12"	.091	2 1/2"	1	\$35.65	\$36.95		\$40.25	\$41.90		\$44.90	\$46.85	
15"	.091	3 1/2"	1	46.20	47.85	\$49.50	51.95	54.05	\$56.10	57.75	60.25	\$62.70
18"	.091	3 1/2"	1	60.05	62.05	64.00	67.00	69.45	71.95	73.90	76.90	79.85
21"	.091	3 1/2"	1	67.30	69.65	72.05	75.40	78.30	81.30		87.00	90.55
24"	.091	3 1/2"	1	77.90	80.50	83.15	87.10	90.40	93.70		100.30	104.30
30"	.091	3 1/2"	1		107.80	110.45		119.90	123.10		132.00	135.75
36"	.091	3 1/2"	1		128.50	132.90		142.80	148.85		157.10	166.80
18"	.091	4"	2		69.95	71.95		77.40	79.85		84.80	87.80
21"	.091	4 1/2"	2		78.85	81.30		87.55	90.55		96.20	99.80
24"	.091	5"	2		91.10	93.70		101.00	104.30		110.90	115.00
30"	.091	5"	2		121.00	123.65		133.10	136.30		145.20	148.95
36"	.091	5"	2		144.30	148.70		158.60	164.65		172.90	180.60
42"	.091	5"	2		179.50	184.15		197.00	203.95		214.50	223.75

extras

Punctuation Marks: 1/3 price of letter. Spurred letters 10% additional. Connected script letters — add 20%. Disconnected script letters — add 10%. Old English — priced from your drawing. Enamel colors matched to your sample — \$20.00 extra.

For marquee or roof mounting use heavy gauge extruded aluminum raceway, 4" x 4 1/2" which should be the full length of the inscription. All high-tension wiring and the proper size and number of Normal Power Factor (brick-bat type) transformers to be housed within the raceway. Natural aluminum finish, per foot, \$4.00. Alumilite* satin finish, per foot, \$6.00. When a sign must bear an Underwriters Label, we use our 8" x 6 1/2" extruded aluminum raceway with all high-tension wiring and transformers enclosed therein. Natural aluminum finish, per foot, \$8.00. Alumilite* Satin finish, per foot, \$10.00.

These prices include neon tubes as listed plus the necessary †30 M. A. ‡Normal Power Factor transformers. Sizes larger than 42" high quoted on receipt of design and other pertinent information.

†60 M. A. transformers available at additional cost.

‡High Power Factor transformers available at additional cost.

ILLUMINATED LETTERS

plexiglas*
face

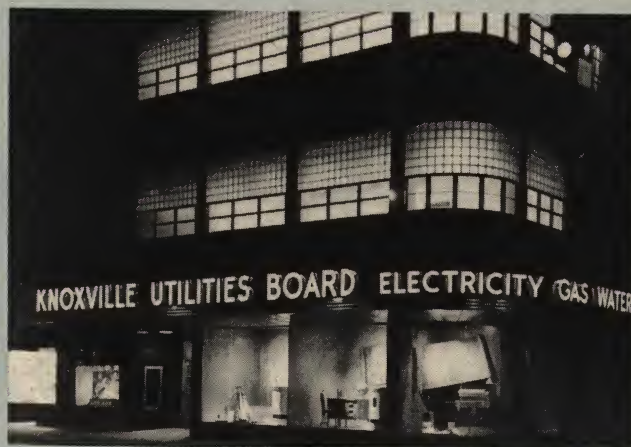
fabricated stainless steel

custom design

6f
Co

BOARD

Knoxville Utilities Board, Knoxville, Tennessee
 Architects: Bauman and Bauman, Knoxville, Tennessee
 Contractor: V. L. Nicholson Company, Knoxville, Tennessee



materials

Channel Face (Full Channel), stainless steel letter using 20 gauge Type 302, 18-8 alloy, stainless steel with standard exterior .187" colored Plexiglas* face. The backs of the letters will be 20 gauge paint-grip steel. 12 MM outline neon in the channel of each letter. Porcelain bushings for proper insulation and the correct number and size of transformers insure the ultimate in performance. The neon tubing is normally powered by 30 MA normal power factor transformers.

colors

Plastic faces can be furnished in the following outdoor translucent Plexiglas* colors: Red 2415; Green 2030; Blue 2201; Yellow 2037, Yellow 2016; Orange 2143; Tan 2019; White W7328. (Color samples available direct from Rohm & Haas Co., Washington Square, Philadelphia 5, Pa.) Neon — the color most suitable for the plastic face. The inside channel of all letters have a white enamel finish for maximum reflection of light. The returns of the stainless steel letter will be furnished in #4 polish finish.

specifications

The letters shown on plans shall be soldered stainless steel letters with Plexiglas* faces as manufactured by Colonial-Hites Company, West Columbia, S. C. or approved equal. The letters are 24" high, 5" faces and with 6" depth. The faces shall be 3/16" thickness Plexiglas* WHITE W-7328. The channel letters are to be constructed with 20 gauge, type 302, 18-8 alloy, stainless steel returns and with backs of paint-grip steel. All surplus solder shall be removed. The inside letter channel will be enameled white for proper reflection of neon lighting. The manufacturer shall mount in the channel of each letter, a DOUBLE tube of 12 MM WHITE neon and shall supply the necessary 30 MA NORMAL power factor transformers, PL type J. All letters to be mounted free standing on top of an EXTRUDED ALUMINUM raceway with access door to the back, RM type M. Within the raceway, all secondary wiring and transformers are to be housed. Detail shop drawings to be submitted for

approval before fabrication. The primary connection to the sign will be by the electrical contractor under Section 7. The complete sign installation shall be guaranteed for 1 year from date of installation.

price list

FABRICATED STAINLESS STEEL PLEXIGLAS FACE LETTERS						
Letter Height	Gauge of Return	Face Width	No. Tubes	Depth 4"	Depth 6"	Depth 8"
12"	20 ga.	2 1/2"	1	\$37.70	\$42.45	\$47.25
15"	20 ga.	3 1/2"	1	48.35	54.35	60.35
18"	20 ga.	3 1/2"	1	62.55	69.75	76.95
21"	20 ga.	3 1/2"	1	68.60	77.00	85.35
24"	20 ga.	3 1/2"	1	78.80	88.45	98.05
30"	20 ga.	3 1/2"	1	106.45	118.40	130.40
36"	20 ga.	3 1/2"	1	124.70	139.10	153.50
42"	20 ga.	3 1/2"	1	155.20	166.70	178.90
18"	20 ga.	4"	2		77.65	84.40
21"	20 ga.	4 1/2"	2		85.90	94.25
24"	20 ga.	5"	2		99.00	108.60
30"	20 ga.	5"	2		131.60	143.60
36"	20 ga.	5"	2		154.95	169.35
42"	20 ga.	5"	2		185.20	197.40

extras

Punctuation Marks: 1/3 price of letter. Spurred letters 10% additional. Connected script — add 20%. Disconnected script — add 10%. Old English — priced from your drawing. For marquee or roof mounting use heavy gauge extruded aluminum raceway, 4" x 4 1/2" which should be the full length of the inscription. All high-tension wiring and the proper size and number of normal power factor (brick-bat type) transformers to be housed within the raceway. Natural aluminum finish, per foot, \$4.00. Alumilite* satin finish, per foot, \$6.00. Also 18 gauge fabricated stainless steel raceway 4" x 4 1/2", #4 polish finish, per foot, \$8.00. When a sign must bear an Underwriters' Label, we use our 8" x 6 1/2" extruded aluminum raceway with all high-tension wiring and transformers enclosed therein. Natural aluminum finish, per foot, \$8.00. Alumilite* satin finish, per foot, \$10.00.

These prices include neon tubes as listed plus the necessary 30 MA normal power factor transformers. Sizes larger than 42" high quoted on receipt of design and other pertinent information.

†60 M.A. transformers available at additional cost.

*High power factor transformers available at additional cost.

COL-ITE

ALL METAL LETTERS

welded aluminum



Coca-Cola Bottling Co., Kinston, N. C.
Architects: John J. Rowland, James M. Simpson, Assoc., Kinston, N. C.
Contractor: O. L. Shackelford, Inc., Kinston, N. C.



materials

Welded aluminum sheet letters are fabricated from 3003-H-14 aluminum sheet in thicknesses of .091" to .125"† according to the size of the letters, or as specified. Large letters are braced when and where necessary, or as specified, to obtain the structural durability for a permanent installation. Aluminum sheet provides a material free of corrosion, making an installation of welded aluminum letters practically without need of maintenance.

colors

Standard Perma-Coat (baked-on) or Porcelain Enamel finishes come in the following colors: Red, yellow, orange, blue, gloss black, satin black, white, brown, green, turquoise, cream and maroon. (Chart available on request.)

specifications

The letters shown on the plans shall be solid weld 3003-H-14 alloy aluminum letters of .091" thickness equal to COL-ITE as manufactured by Colonial-Hites Company, West Columbia, S. C. The letters shall be 18" high, 3" face, 4" deep, of the design as shown on the plans, Sheet # 3. All welds shall be ground smooth and the faces shall be free of waves and distortions. All letters to receive # 8 SATIN ALUMILITE* finish. The letters to be mounted free standing on a continuous 1" X 3" ALUMILITE* extruded aluminum channel, BM type A, which is to be furnished by the letter

manufacturer. Detail shop drawings to be submitted for approval before fabrication.

price list

WELDED ALUMINUM SHEET LETTERS

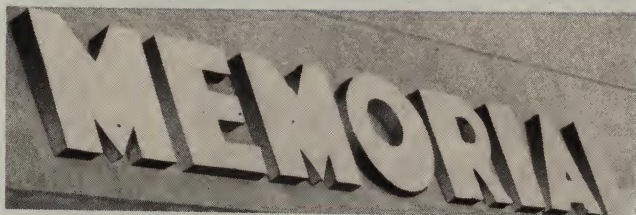
Prices are for: # 5 Natural Satin, # 6 Bronze Metallic, # 7 Perma-Coat, # 9 Aluminum Metallic

Letter Height	Gauge of Return	Depth 1"	Depth 2"	Depth 3"	Depth 4"	Depth 6"	Depth 8"	Depth 10"	Depth 12"
6"	.091	\$9.70	\$10.35	\$11.00	\$11.65	\$12.30			
8"	.091	10.55	11.00	11.65	12.10	14.30			
10"	.091		13.00	13.65	14.30	16.50			
12"	.091		17.15	17.80	18.50	19.80	\$21.10		
15"	.091		21.80	22.45	23.10	24.75	26.40		
18"	.091		26.40	27.05	27.70	29.70	31.70		
21"	.091			31.70	32.35	34.65	36.95		
24"	.091			36.30	36.95	39.60	42.25		
30"	.091				45.75	48.40	50.60	\$53.90	\$64.35
36"	.091				52.80	57.20	63.80	69.30	79.20
42"	.091				60.05	69.95	79.20	85.90	102.65
48"	.091				74.60	85.80	89.10	108.90	118.80
60"	.091					123.40	138.60	148.50	165.00
72"	.091					178.20	198.00	217.80	237.60

extras

Punctuation Marks: 1/3 price of letter. Recessed face letters 20% additional. Spurred letters — add 20% up to 18" — 10% on larger letters. Connected script letter — add 10%. For .125" aluminum — add 25%. Our #8 Alumilite* satin finish — add 20%. Two color baked enamel — add 10%. Porcelain enamel — add 50%. Baked enamel colors matched to your sample — \$20.00 extra, special porcelain colors — \$50.00 extra. Back enclosures of aluminum — add 25%. All extended or script letters are priced according to their greatest dimension. Old English — priced from your drawing. Extruded aluminum channel for marquee or roof mounting, drilled and ready for mounting of letters, per foot mill finish — \$2.00. Alumilite finish — \$3.00. Neon lighting priced on request.

fabricated stainless steel



West Virginia Turnpike
Contractor: Kuhn Construction Co., Charleston, W. Va.
Engineers: Singstad & Baillie, New York, N. Y.



materials

Stainless steel letters are fabricated from #4 finish, Type 302, 18-8 alloy, stainless steel in 16 to 20 gauge. The letters are well braced and have straight edges. Faces are flat and buckle-free with all surfaces polished gleaming and flawless.

specifications

The letters shown on the plans shall be fabricated from 18 gauge, type 302, 18-8 alloy stainless steel equal to COL-ITE as manufactured by Colonial-Hites Company, West Columbia, S. C. The letters shall be 24" high, 4 1/2" faces, 5" deep of the design shown on the plans, sheet # 10. The letters are to be of soldered construction, with all excess solder removed. The finish is to be #4 polish, with all lines running horizontally across the faces. The letters are to be fitted with rustproof attachments, PM type B for mounting on a MASONRY wall. Detail shop drawings to be submitted for approval before fabrication.

Knoxville Catholic High School, Knoxville, Tennessee
Architects: Bauman and Bauman, Knoxville, Tennessee
Contractor: Emory and Richards, Knoxville, Tennessee



price list

FABRICATED STAINLESS STEEL LETTERS								
Prices are for 20 Gauge Faces and Returns								
(20 gauge is satisfactory through 3" faces, 18 gauge through 6" faces and 16 gauge for all others)								
Letter Height	Depth 1"	Depth 2"	Depth 3"	Depth 4"	Depth 5"	Depth 6"	Depth 7"	Depth 8"
3"	\$4.50	\$4.50						
4"	6.00	6.00						
6"	9.00	9.00	\$11.45					
8"	12.00	12.00	15.25					
10"	15.00	15.00	19.05	\$19.05				
12"	18.05	18.05	22.80	22.80	\$27.60	\$27.60		
14"		21.00	26.60	26.60	32.25	32.25		
16"		24.05	30.40	30.40	36.80	36.80	\$43.25	\$43.25
18"		27.00	34.20	34.20	41.40	41.40	48.60	48.60
21"			39.95	39.95	48.30	48.30	56.70	56.70
24"			45.60	45.60	55.20	55.20	64.80	64.80
30"			57.05	57.05	69.00	69.00	81.00	81.00
36"			68.40	68.40	82.85	82.85	97.25	97.25

extras

Punctuation Marks: 1/2 price of letter. All extended or script letters are priced according to their greatest dimension. Ribbon Style up to 3/4" faces — 30% additional. 18 gauge faces and returns — add 25%. 16 gauge faces and returns — add 40%. Connected script — add 20%. Recessed faces — add 20%. Spurred letters — 20% up to 18" — 10% on larger letters. Disconnected script — add 10%.

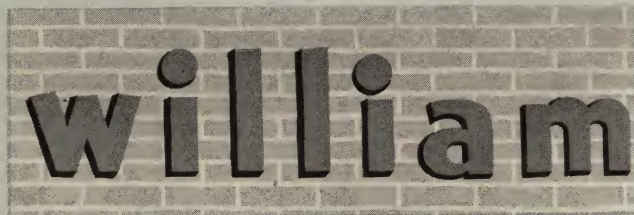
Extruded aluminum channel for marquee or roof mounting, drilled and ready for mounting of letters, per foot — \$2.00. Formed (18 gauge) stainless steel channel, per foot — \$4.00. Any neon lighting priced on request. Standard mounting hardware, for individual mounting, furnished at no extra cost. Also, full scale mounting template.

ALL METAL LETTERS

COL-ITE

custom design

sawed aluminum plate



Williams Printing Company, Spartanburg, S. C.
Architects: Hudson and Chapman, Spartanburg, S. C.
Contractor: Fiske-Carter Construction Co., Spartanburg, S. C.



materials

Cut-out aluminum letters are fabricated from 3003-F alloy aluminum plate in $\frac{1}{4}$ ", $\frac{3}{8}$ " or $\frac{1}{2}$ " thickness. Aluminum plate provides a material free from corrosion, making an installation of cut-out letters practically free of maintenance costs.

colors

Standard Perma-Coat (baked-on) or porcelain enamel finishes available in red, yellow, orange, blue, glossy black, satin black, white, green, turquoise, cream, brown and maroon (chart available on request).

specifications

The letters shown on the plans shall be 3003-F alloy cut-out aluminum of $\frac{1}{4}$ " thickness. The design of letters shall be UPPER & LOWER CASE as shown on FRONT elevation, Sheet # 2. The letters are expertly sawed and the edges ground smooth prior to receiving a # 8 ALUMILITE SATIN finish. Each letter is

to be mounted individually on BRICK wall with non-corrosive STUDS and 1" aluminum SPACER SLEEVES, PM type L. Letters equal to COL-ITE as manufactured by Colonial-Hites Company, West Columbia, S. C. Detail shop drawings to be submitted for approval before fabrication. The manufacturer shall also supply a full scale drilling template for positioning of the studs.

price list custom or standard design

Letter Height	# 5 Natural Satin # 6 Bronze Metallic # 7 Perma-Coat # 9 Aluminum Metallic	# 8 Satin Alumilite	# 11 Porcelain Enamel	# 5 Natural Satin # 6 Bronze Metallic # 7 Perma-Coat # 9 Aluminum Metallic	# 8 Satin Alumilite	# 11 Porcelain Enamel
	Depth $\frac{1}{4}$ "			Depth $\frac{1}{2}$ "		
3"	\$3.30	\$3.80	\$6.60	\$3.75	\$4.25	\$6.75
4"	3.85	4.35	6.85	4.55	5.05	7.55
5"	4.40	4.90	7.40	5.65	6.25	8.65
6"	4.80	5.30	7.80	6.10	6.70	9.15
8"	7.05	7.75	10.55	8.10	8.90	12.15
10"	9.30	10.25	13.95	10.10	11.10	15.15
12"	11.55	12.70	17.85	13.20	14.55	19.80
14"	15.85	17.45	23.80	18.70	20.60	28.05
16"	19.05	20.95	28.55	25.30	27.85	37.95
18"	23.10	25.45	34.65	29.70	32.70	44.55

extras

Punctuation Marks: $\frac{1}{2}$ price of letter. Extended or script letters are priced according to greatest dimension. Spurred letters — add 20%. Disconnected script letters — add 10%. Connected script letters 30% additional.

materials

Cast aluminum letters are cast of F214 alloy aluminum ingots. (Finishes # 5 through #9.) Cast bronze letters are cast from the finest architectural bronze ingots (Finishes #12 and #13).

finishes

CAST ALUMINUM

No. 5 Natural Satin

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then sprayed with two coats of clear lacquer for protection.

No. 6 Bronze Metallic

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then sprayed with a clear polymer type binder with bronze powder followed by a clear coat of binder for added durability.

No. 7 Perma-Coat

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then enameled by spray application with finest quality polymer type coating which is baked at the required temperature for the recommended time. (Color chart on request.)

No. 8 Alumilite* Satin finish

Buffed faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then anodized for thirty minutes to give protection against corrosion, then anodized with 2 coats of clear lacquer for additional protection.

No. 9 Aluminum Metallic

Belt finish faces, filed and ground edges, immersed in hot alkaline cleaner to remove contamination, etched to give an even satin finish and remove oxidation; then sprayed with a clear polymer type binder with aluminum powder followed by a clear coat of binder for additional durability.

CAST BRONZE

No. 12 — Natural satin

Fine belt finish faces, filed and ground edges, coated with clear lacquer for protection.

No. 13 — Oxidized

Faces ground smooth, edges filed, all surfaces sand blasted, oxidized to a deep statuary color, then buffed to uniformity before clear lacquer is applied.

colors

Standard #7 Perma-Coat finishes come in the following colors: Red, yellow, orange, blue, gloss black, satin black, white, green, turquoise, cream, brown or maroon. (Color chart available on request.)

mounting

(See pages 15-18)

typical specifications

Metal letters: Furnish and install complete the metal letters reading MERRY HIGH SCHOOL as shown on the plans, Sheet # 6. The letters shall be F 214 alloy cast aluminum with a # 7 PERMA-COAT (COLOR TO BE SELECTED) finish. The letters will be from stock patterns, # 325 COLONIAL Style, 16" high, 2 5/8" face, 2 5/8" deep, equal to COL-ITE as manufactured by Colonial-Hites Company, West Columbia, S. C. The letters shall be mounted 2" from the face of the wall, PM Type K. Detail shop drawings to be submitted by the manufacturer for the architect's approval before casting. The manufacturer shall furnish the contractor with a full scale mounting template for positioning of the STUDS.

extras

Punctuation Marks: 1/3 price of letter. Two color 10% additional. Enamel colors matched to your sample — add \$20.00. Extruded aluminum channel or flat bar for marquee or roof mounting, drilled and ready for mounting of letters — mill finish per foot \$2.00, anodized finish \$3.00. Standard mounting hardware for individual mounting, furnished at no extra cost. Also, full scale mounting template.



Bergen Catholic High School, Oradell, N. J.
Architect: Fanning & Shaw, Patterson, N. J.
Contractors: Censullo-Burke Construction Co., Secaucus, N. J.



North American Baptist Association, Little Rock, Ark.
Architect: Richard W. Groh, Little Rock, Ark.

CAST METAL LETTERS

price group 3

ribbon no. 755 (price group 3)

A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
1"	$\frac{1}{8}$ "	$\frac{3}{8}$ "	$\frac{3}{4}$ "	6"	$\frac{3}{4}$ "	1"	$4\frac{1}{2}$ "
$1\frac{1}{2}$ "	$\frac{1}{8}$ "	$\frac{1}{2}$ "	1"	8"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	6"
2"	$\frac{1}{8}$ "	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	10"	$\frac{1}{2}$ "	2"	7"
$2\frac{1}{2}$ "	$\frac{3}{16}$ "	$\frac{3}{4}$ "	$1\frac{3}{4}$ "	12"	$\frac{5}{8}$ "	$2\frac{1}{4}$ "	8"
3"	$\frac{1}{8}$ "	$\frac{3}{4}$ "	2"	14"	$\frac{5}{8}$ "	$2\frac{1}{2}$ "	10"
4"	$\frac{1}{4}$ "	1"	3"	16"	$\frac{3}{4}$ "	$2\frac{3}{4}$ "	12"
5"	$\frac{5}{16}$ "	1"	3"	18"	$\frac{3}{4}$ "	3"	12"

ribbon style no. 855 (price group 3)

A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z &

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
2"	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$1\frac{1}{2}$ "	8"	$\frac{1}{2}$ "	$1\frac{1}{8}$ "	5"
3"	$\frac{5}{16}$ "	1"	2"	10"	$\frac{5}{8}$ "	$2\frac{1}{8}$ "	7"
4"	$\frac{3}{8}$ "	$1\frac{1}{8}$ "	$2\frac{3}{4}$ "	12"	$\frac{3}{4}$ "	$2\frac{1}{2}$ "	8"
5"	$\frac{1}{2}$ "	$1\frac{3}{8}$ "	$3\frac{1}{2}$ "	15"	$\frac{7}{8}$ "	3"	10"
6"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	4"	18"	$\frac{7}{8}$ "	3"	12"

wolff no. 213 (price group 3)

A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
4"	$\frac{1}{2}$ "	$\frac{1}{2}$ "	3"	10"	1"	2"	7"
5"	$\frac{1}{2}$ "	1"	$3\frac{1}{2}$ "	12"	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "	$8\frac{1}{2}$ "
6"	$\frac{5}{8}$ "	$1\frac{1}{2}$ "	$4\frac{1}{4}$ "	14"	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "	$9\frac{3}{4}$ "
8"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$5\frac{1}{2}$ "				

wolff no. 214 (price group 3)

A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
1"	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{5}{8}$ "	6"	$\frac{5}{8}$ "	$1\frac{1}{8}$ "	$3\frac{1}{2}$ "
$1\frac{1}{2}$ "	$\frac{3}{16}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	8"	$\frac{3}{4}$ "	$1\frac{1}{2}$ "	$4\frac{3}{8}$ "
2"	$\frac{1}{8}$ "	$\frac{3}{4}$ "	1"	10"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	6"
3"	$\frac{3}{16}$ "	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	12"	$\frac{1}{2}$ "	$2\frac{1}{4}$ "	7"
4"	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$2\frac{1}{4}$ "	14"	$1\frac{1}{8}$ "	$2\frac{3}{8}$ "	$8\frac{1}{8}$ "
5"	$\frac{1}{2}$ "	$\frac{1}{2}$ "	3"				

brookside no. 350 (price group 3)

A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z &

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
4"	$\frac{1}{4}$ "	$\frac{3}{4}$ "	1"	8"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	2"
5"	$\frac{3}{8}$ "	$1\frac{1}{2}$ "	$1\frac{1}{4}$ "	10"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "
6"	$\frac{5}{16}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	12"	$\frac{5}{8}$ "	$2\frac{1}{4}$ "	3"

alarie no. 300 (price group 3)

A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z &

©COLONIAL-HITES CO. 1956

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
3"	$\frac{1}{8}$ "	$\frac{1}{2}$ "	1"	10"	$\frac{5}{8}$ "	$1\frac{1}{8}$ "	$3\frac{1}{3}$ "
4"	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$1\frac{1}{4}$ "	12"	$\frac{3}{4}$ "	$2\frac{1}{4}$ "	4"
6"	$\frac{3}{8}$ "	$1\frac{1}{2}$ "	$2\frac{2}{3}$ "	14"	$\frac{1}{2}$ "	$2\frac{5}{8}$ "	$4\frac{2}{3}$ "
8"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$2\frac{2}{3}$ "	16"	1"	3"	$5\frac{1}{3}$ "

alarie no. 375 (price group 3)

A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z &

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
8"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$2\frac{1}{2}$ "	12"	$\frac{3}{4}$ "	$2\frac{1}{4}$ "	$3\frac{3}{4}$ "
10"	$\frac{5}{8}$ "	$1\frac{1}{2}$ "	$3\frac{1}{4}$ "				

price list (group 3)

Letter Height	ALUMINUM		BRONZE
	# 5 Natural Satin # 6 Bronze Metallic # 7 Perma-Coat # 9 Aluminum Metallic	# 8 Satin Alumilite	# 12 Natural Satin or # 13 Oxidized
1"	\$1.65	\$2.15	\$2.50
$1\frac{1}{2}$ "	2.00	2.50	3.00
2"	2.20	2.70	3.30
$2\frac{1}{2}$ "	2.70	3.20	4.05
3"	3.15	3.65	4.75
4"	5.10	5.60	7.65
5"	6.20	6.85	9.30
6"	7.25	8.00	10.90
8"	8.45	9.30	14.80
10"	10.50	11.55	18.40
12"	13.20	14.55	26.40
14"	17.50	19.25	35.00
15"	19.80	21.80	39.60
16"	21.45	23.60	
18"	27.20	29.95	Not Available

price group 2

COL-ITE

stock design

6f
Co

colonial no. 325 (price group 2)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
1 1/2"	3/8"	3/8"	1"	10"	1 5/8"	1 5/8"	7 1/2"
2"	1/2"	1/2"	1 1/2"	N 12"	2"	2"	9"
3"	5/8"	3/4"	2"	N 14"	2 1/4"	2 1/4"	10"
4"	5/8"	3/4"	3"	N 15"	2 1/2"	2 1/2"	11"
6"	1"	1"	4 1/2"	N 16"	2 5/8"	2 5/8"	12"
8"	1 1/8"	1 1/8"	6"	N 18"	3"	3"	15"

garamond no. 854 (price group 2)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ&

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
2"	1 1/8" & 1 1/8"	1/4"	1 3/4"	8"	1 1/8" & 5/8"	3/4"	6 3/4"
3"	1 1/2" & 1/4"	3/8"	2 1/2"	10"	1 5/8" & 3/4"	3/4"	8 1/4"
4"	1 1/2" & 1/8"	3/8"	3 3/4"	12"	2" & 3/8"	1"	10"
5"	1 1/2" & 3/8"	1/2"	4 1/4"	15"	2 1/2" & 1/4"	1 1/8"	12 1/2"
6"	1" & 1/2"	1/2"	5"	18"	3" & 1 3/8"	1 1/2"	15"

modern no. 340 (price group 2)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
4"	5/8"	5/8"	2 3/4"	N 12"	2"	2"	8"
6"	1"	1"	4"	N 14"	2 1/4"	2 1/4"	9 1/4"
8"	1 1/8"	1 1/8"	5 1/4"	N 16"	2 5/8"	2 5/8"	10 3/4"
10"	1 5/8"	1 5/8"	6 3/4"	N 18"	3"	3"	12"

broadway no. 328 (price group 2)

ABCDEFGHIJKLM
NOPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
4"	1 1/8" & 5/8"	5/8"	3 3/4"	N 12"	4" & 2"	2"	11"
6"	2" & 1"	1"	5 1/2"	N 14"	4 5/8" & 2 1/8"	2 1/8"	12 3/4"
8"	2 5/8" & 1 1/8"	1 1/8"	7 1/4"	N 16"	5 1/8" & 2 5/8"	2 5/8"	14 1/2"
10"	3 1/8" & 1 5/8"	1 5/8"	9"	N 18"	6" & 3"	3"	16 1/2"

broadway no. 148 (price group 2)

ABCDEFGHIJKLM
NOPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width
10"	3" & 1/2"	1"	8"

futura no. 851 (price group 2)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
3"	5/8"	3/8"	2 1/8"	N 12"	2 1/2"	1 3/4"	9 3/4"
4"	1 1/8"	3/4"	3 1/4"	N 14"	2 3/8"	2"	11 3/8"
5"	1 1/8"	3/4"	4 1/4"	N 16"	3 3/8"	2 1/4"	13"
6"	1 1/4"	1"	4 7/8"	N 18"	3 1/2"	2 1/2"	14 3/4"
8"	1 1/8"	1 1/4"	6 1/2"	N 24"	5 1/8"	3"	20"
N 10"	2 1/8"	1 1/2"	8 1/4"				

architectural no. 754 (prismatic face) (price group 2)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ&

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
1 3/8"	1 1/8" & 5/8"	1/4"	1 1/2"	10"	1 3/8" & 7/8"	3/4"	9 1/2"
2"	3/4" & 1/4"	1/4"	1 3/4"	12"	1 1/2" & 3/4"	3/4"	11 1/2"
3"	1 1/8" & 1/4"	1/4"	2 1/2"	14"	1 7/8" & 1 1/8"	3/4"	13"
4"	5/8" & 3/8"	3/8"	3 1/2"	15"	2 1/8" & 1 1/8"	3/4"	15"
5"	5/8" & 1/8"	3/8"	4 1/2"	18"	2 5/8" & 1 1/8"	3/4"	17"
6"	7/8" & 1/2"	3/4"	5 1/2"	20"	2 5/8" & 1 3/8"	3/4"	18"
8"	1 1/8" & 5/8"	3/4"	7 1/2"	24"	2 1/8" & 1 1/8"	3/4"	21"

chicago 951 (price group 2)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ&

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
4"	1 1/8"	3/8"	2 3/4"	12"	1 3/8"	1 1/8"	8"
6"	1 1/2"	5/8"	4"	15"	1 3/4"	1 3/8"	10"
9"	1"	7/8"	6"	18"	2"	1 1/2"	12"

*N Suitable for Silhouette neon lighting

price list (group 2)

Letter Height	ALUMINUM		BRONZE
	# 5 Natural Satin # 6 Bronze Metallic # 7 Perma-Coat # 9 Aluminum Metallic	# 8 Satin Alumilite	# 12 Natural Satin or # 13 Oxidized
1 1/2"	\$2.00	\$2.50	\$3.00
2"	2.50	3.00	3.75
3"	3.30	3.80	4.95
4"	4.40	4.90	6.60
5"	5.40	5.95	8.10
6"	5.90	6.50	8.85
8"	8.15	9.00	14.25
9"	9.15	10.10	16.05
10"	10.20	11.25	17.85
12"	12.45	13.70	24.85
14"	14.50	15.95	29.00
15"	16.00	17.60	32.00
16"	19.25	21.20	38.50
18"	23.10	25.45	46.20
20"	30.80	33.90	Not Available
24"	36.30	40.00	

CAST METAL LETTERS stock design

price group 1

kabel no. 751 (price group 1)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
1 1/2"	1/4"	1/4"	1"	10"	1 1/8"	1 1/8"	7"
2"	1/4"	1/4"	1 1/2"	12"	1 1/8"	3/4"	8"
3"	1/2"	1/4"	2"	14"	1 7/8"	1 3/8"	9"
4"	1 1/8"	1/4"	2 3/4"	15"	2"	7/8"	10"
5"	1 1/8"	1/2"	3 1/2"	16"	2 1/8"	7/8"	11"
6"	7/8"	1/2"	4"	18"	2 1/4"	1"	12"
8"	1 1/4"	5/8"	5"	20"	2 1/8"	1 1/8"	13"

broadway no. 758 (price group 1)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
6"	1 1/8" & 1/8"	1/8"	6"	12"	2 3/4" & 3/4"	3/4"	12"
8"	2" & 3/4"	5/8"	8"	16"	3 3/8" & 1 1/4"	1"	13"
10"	2 1/8" & 1/8"	3/4"	10"				

gothic no. 852 (price group 1)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
NOPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
6"	1 1/8"	3/4"	4"	15"	2 3/4"	1 3/8"	10"
9"	1 3/8"	1"	6"	18"	3 1/4"	1 3/8"	12"
12"	2 1/4"	1 1/8"	8"				

broadway no. 128 (price group 1)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
NOPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width
8"	3" & 1/2"	1"	7"

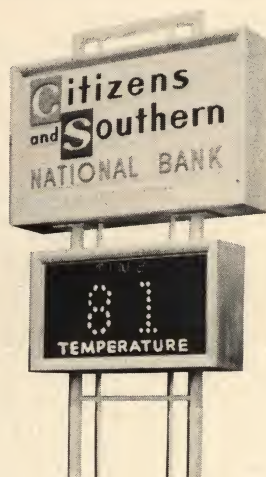
modern gothic no. 225 (price group 1)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
OPQRSTUVWXYZ

Letter Height	Face Width	Letter Depth	Average Letter Width	Letter Height	Face Width	Letter Depth	Average Letter Width
8"	7/8"	1/2"	5"	16"	1 3/4"	1"	10"
12"	1 1/4"	3/4"	7 1/2"				

price list (group 1)

Letter Height	ALUMINUM		BRONZE #12 Natural Satin or #13 Oxidized
	# 5 Natural Satin # 6 Bronze Metallic # 7 Perma-Coat # 9 Aluminum Metallic	#8 Satin Alumilite	
1 1/2"	\$2.00	\$2.50	\$3.00
2"	2.50	3.00	3.75
3"	3.30	3.80	4.95
4"	3.85	4.35	5.80
5"	4.40	4.90	6.60
6"	5.50	6.05	8.25
8"	6.60	7.30	9.90
9"	7.15	7.90	11.55
10"	7.70	8.50	12.50
12"	10.45	11.50	15.70
14"	12.90	14.20	22.50
15"	14.15	15.60	24.65
16"	15.40	16.95	26.95
18"	17.60	19.40	30.80
20"	21.50	23.65	37.75



Citizens & Southern National Bank of S. C., Spartanburg, S. C.
Architect: H. Lloyd Hill, Atlanta, Ga.
Contractor: Mason & Holden, Spartanburg, S. C.

time and temperature signs

A specialty for BANKS and BUILDING & LOAN ASSOCIATIONS.

Buy, or lease, with confidence from the Nation's leading SIGN DESIGNERS. Mechanical numeral control equipment by Time-O-Matic, Inc., of Danville, Illinois.

SELECTION OF LAMP SIZE:

Size of the numeral and of the lamp bank should be determined by the maximum viewing distance and installation conditions, rather than by size of the sign alone.

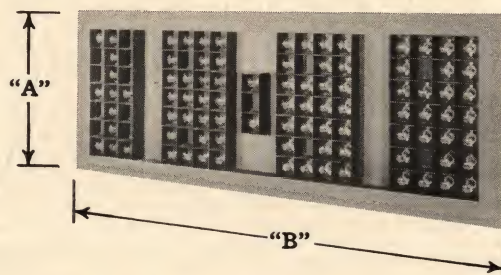
As a minimum, one foot of numeral height should be provided for each five hundred feet of viewing distance. For greater legibility or impact, larger numerals should be used.

Selection of numeral style and lamp spacing determines the width and height of the lamp bank.

time and temperature signs

It is strongly recommended the sign be designed around the size and style of numeral selected. Bright trim, or light paint, should be kept away from the lamp bank to assure legibility. A black border, at least three times the lamp spacing dimension, is required around the numerals. This non-reflective border is provided in part by the lamp bank and its flange. Additional border space should be provided by painting the sign.

The opening required in the sign for the lamp bank should be one-half inch larger than the dimensions shown below to provide clearance.



LAMP BANK OPENING DIMENSIONS

Numeral Style	Lamp Spacing Center to Center in inches	Numeral Height in inches	(Dimension "A") Lamp Bank Height in inches	(Dimension "B") Length Time-O-Temp
R 4 x 7 Round Open-throat	3"	21"	26"	71"
	4	28	33	93
	5	35	40	115
B 5 x 9 Square	3	27	32	83
	4	36	41	109
	5	45	50	135
W 5 x 9 Round	3	27	32	83
	4	36	41	109
	5	45	50	135
K 6 x 9 Round Open-throat	3	27	32	92
	4	36	41	121
	5	45	50	150

LAMP BANK DIMENSIONS—

1" flange used for mounting not included in dimensions

Space does not permit incorporation of all the necessary details. Send us your preliminary plans so we can make recommendations for incorporation in your plans and specifications. (No obligations, of course.)

NUMERAL STYLES:

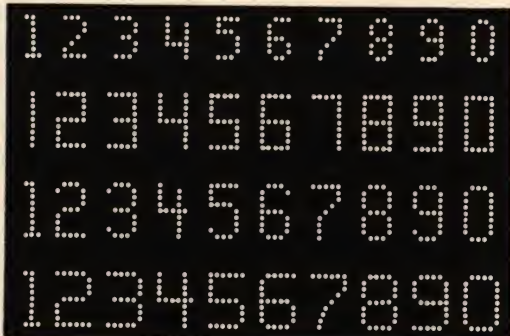
The four most popular numeral styles are shown in Figure (1). Size of the numeral and style should be selected to meet each installation. Styles such as B and K are most legible at extreme distances and where atmospheric haze is a factor.

Style R
4 x 7
Round
Open-throat

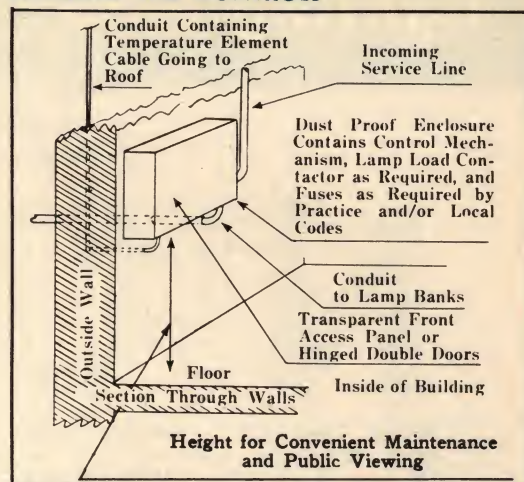
B
5 x 9
Square

W
5 x 9
Round

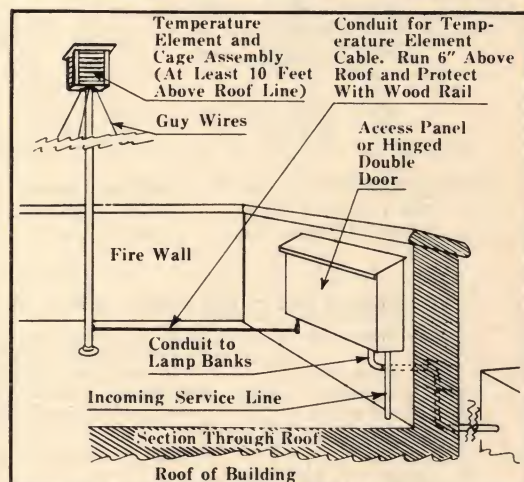
K
6 x 9
Round
Open-throat



HOUSING THE CONTROLS



RECOMMENDED ENCLOSURE FOR INDOOR MOUNTING



REQUIRED ENCLOSURE FOR OUTDOOR MOUNTING

specifications

Furnish and install the double face Projecting sign incorporating the style "R" numeral type time and temperature indicating panel as shown on sheet 4 and detailed on sheet 6 shall be as manufactured by Colonial-Hites Company, West Columbia, S. C.

This contract to include the style R lamp bank, complete with 40 watt long life traffic signal lamps. The numeral control equipment to be "Time-O-Temp" as manufactured by Time-O-Matic, Incorporated and shall be complete with proper enclosure. The temperature sensing element shall be properly located in ventilated cage assembly. All controls, connecting wiring and component equipment necessary for the proper and accurate operation of the sign, whether or not specifically mentioned herein shall be included to satisfy the full intent of the drawings and these specifications.

This contract to also include all labor, material, equipment and services necessary for the erection, electrical connection and adjusting the sign and time and temperature equipment. The work shall be performed in a workmanlike manner by skilled craftsmen with previous experience in connecting and adjusting this type highly sensitive electronic equipment.

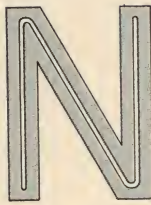
This contractor shall give a written guarantee for free service and replacement of all lamps, materials and component electrical equipment for a period of one year from acceptance. The owner to carry insurance under his floater policy to cover damages by external causes and acts of God.

The sign contractor shall further submit to the general contractor for the owners consideration a complete maintenance contract to take effect upon the expiration of the guarantee period. This to be on an annual basis to continue for an additional four years.

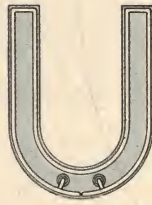
THE FOLLOWING ITEMS SHOULD BE INCLUDED IN THE ELECTRICAL SPECIFICATIONS

- (1) Necessary conduit and wiring to furnish 1-100 amp circuit to the fused circuit breaker load center which will be furnished by the sign contractor and be located in the sign control box.
- (2) Install 2" conduit from sign control box to the sign location with 6" stub out. The sign contractor to complete the conduit run to the sign and install sign control wiring.
- (3) Install 1/2" conduit from sign control box to location of the temperature element cage assembly with 6" stub out.

lighting data



Multiply height of
BLOCK LETTERS BY
3.0



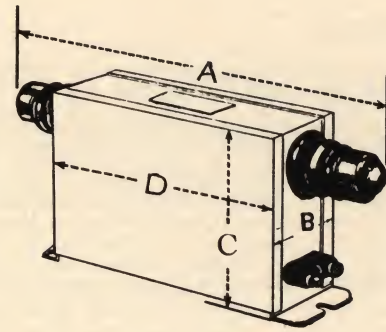
Multiply height of
DOUBLE NEON
LETTERS BY 5.0



Multiply height of
DOUBLE NEON
SCRIPT LETTERS BY
7.0



Multiply height of
SCRIPT LETTERS BY
5.0



Transformer		A	B	C	D
3000 V	60 MA NPF	10¾"	3"	3¾"	8"
4000 V	60 MA NPF	13¼"	3¼"	5¼"	9"
5000 V	60 MA NPF	13¼"	3½"	5¼"	9"
6000 V	60 MA NPF	13½"	4"	5¾"	9"
7500 V	60 MA NPF	13¾"	4¾"	6¾"	9½"
9000 V	60 MA NPF	13¾"	4¾"	6¾"	9½"
12000 V	60 MA NPF	13½"	5"	6½"	9½"
15000 V	60 MA NPF	13¾"	5½"	6¼"	9½"

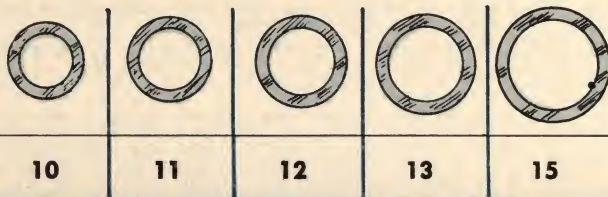
footage chart for neon, clear, fluorescent tubing—outdoor application

Standard Transformer Specifications		RED—RUBY RED—ROSE PINK—COPPER GOLD Clear or Fluorescent — Neon Filled Tubes — For Outdoor Application					BLUE—POWER BLUE—WHITE NOVIAL GOLD—GREEN For Outdoor Application — Clear Or Fluorescent — Mercury Filled Tubes —					Standard Transformer Specifications		
Secondary Voltage	Short Circuit M. A.	TUBE SIZE IN MILLIMETERS					TUBE SIZE IN MILLIMETERS					Capacity V. A.*	Approx. WATTS Consumption at 115 Volts 60 Cycles	Amperage
		10	11	12	13	15	10	11	12	13	15			
15000	60											820	466	7.83
	30	33'	39'	45'	50'	60'	30'	35'	40'	45'	54'	450	234	3.92
12000	60											720	374	6.26
	30	25'	30'	35'	39'	45'	22'	27'	31'	36'	40'	360	187	3.13
9000	60											500	281	4.70
	30	19'	22'	26'	29'	33'	17'	20'	23'	26'	30'	250	140	2.44
7500	60											450	234	3.92
	30	13'	16'	20'	22'	24'	12'	15'	18'	20'	21'	230	117	2.04
6000	60											300	187	3.13
	30	11'	13'	16'	17'	19'	10'	12'	14'	15'	17'	180	94	1.74
5000	60											300	156	2.61
	30	9'	10'	12'	15'	17'	8'	9'	12'	14'	15'	150	83	1.39
4000	60											140	125	2.08
	30	7'	8'	10'	11'	13'	6'	7'	10'	11'	12'	90	73	1.22
3000	60											100	94	1.57
	30	6'	7'	8'	9'	10'	5'	6'	7'	8'	9'	72	52	.96
2000	60													
	30	3'	4'	5'	5'	6'	3'	4'	4'	4'	5'	46	26	0.65
RECOMMENDED GAS PRESSURES IN MM.		13	12	11	10	9	13	12	11	10	9	RECOMMENDED GAS PRESSURES IN MM.		

IMPORTANT—DEDUCT 1 FOOT FROM ABOVE FIGURES FOR EACH PAIR OF ELECTRODES

*For approximate V.A. ratings of high power factor type transformers, multiply standard ratings listed by 55%.

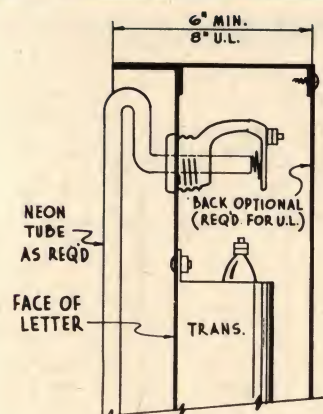
fluorescent tube sizes in mm.



Recommended to be powered by 30 MA transformers for silhouette lighting and 60 MA transformers for translucent plastic faces.

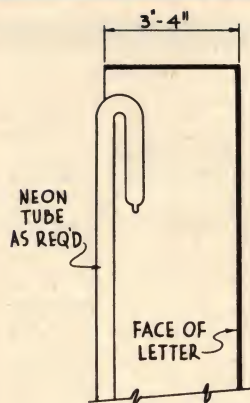
Certain cities require High Power Factor type transformers. This in no way improves the performance of the sign itself but is required to meet local power company regulations. Check with your City Electrical Department or Power Company before writing your specifications.

construction methods - lighted letters



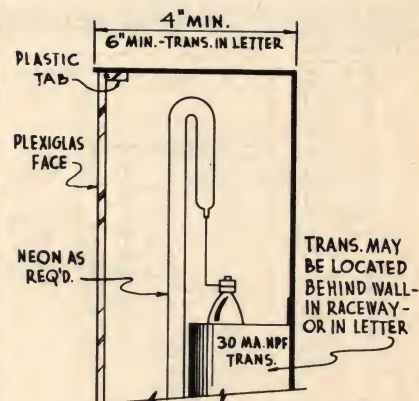
FL-TYPE B

FACE LIGHTED LETTER - 18" HI. & UP
FAB. ALUM. OR STAINLESS STEEL



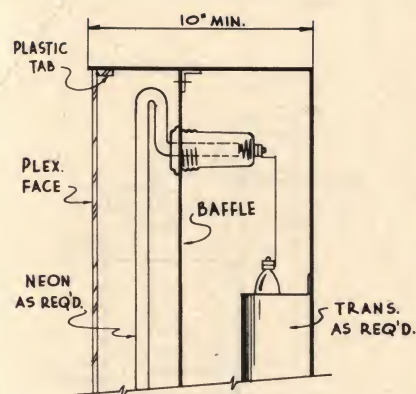
FL-TYPE C

FACE LIGHTED LETTER - 12" HI. & UP
WELDED ALUM. OR STAINLESS STEEL



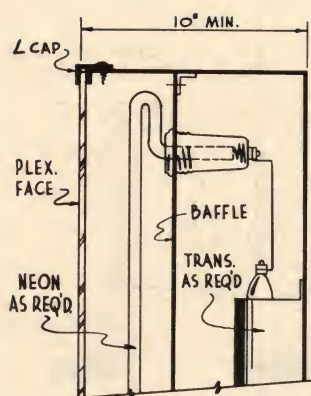
PL-TYPE J

PLASTIC FACE LETTER - 12" TO 42" HI.
WELDED ALUM. OR STAINLESS STEEL



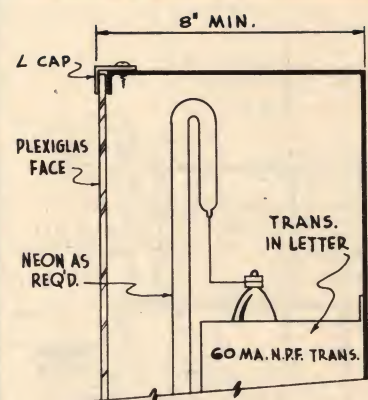
PL-TYPE E

PLASTIC FACE LETTER - 24" TO 42" HI.
WELDED ALUM. OR STAINLESS STEEL (U.L.)



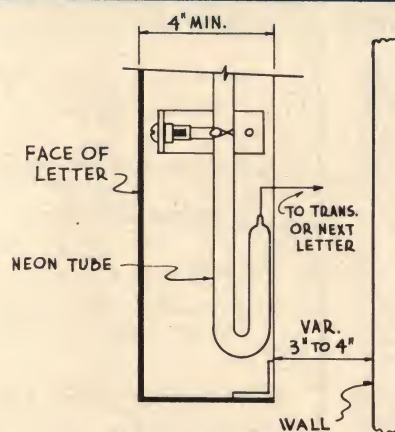
PL-TYPE H

PLASTIC FACE LETTER - 42" HI. & UP
WELDED ALUM. OR STAINLESS STEEL (U.L.)



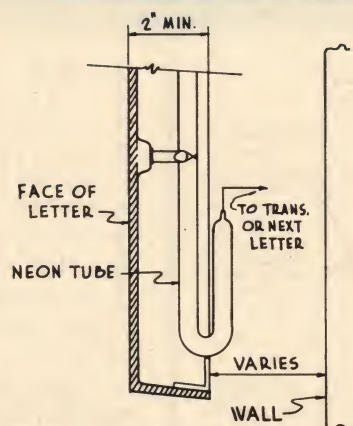
PL-TYPE K

PLASTIC FACE LETTER - 42" HI. & UP
WELDED ALUM. OR STAINLESS STEEL



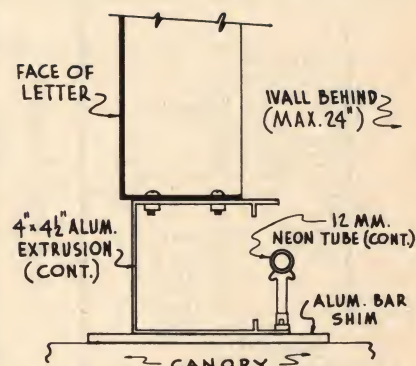
SL-TYPE C

SILHOUETTE LIGHTED LETTERS - 12" HI. & UP
WELDED ALUM. OR STAINLESS STEEL



SL-TYPE A

SILHOUETTE LIGHTED LETTERS
CAST ALUMINUM - 12" TO 24" HI.

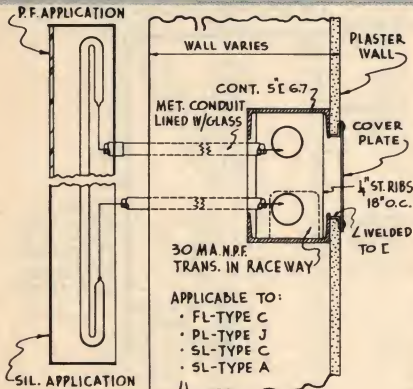


SL-TYPE D

SILHOUETTE LIGHTED LETTER
CAST OR WELDED ALUM. OR S.S.

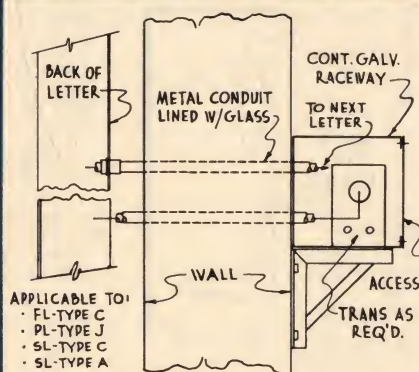
wiring methods

WIRING METHODS — TRANSFORMERS BEHIND WALL — LIGHTED LETTERS



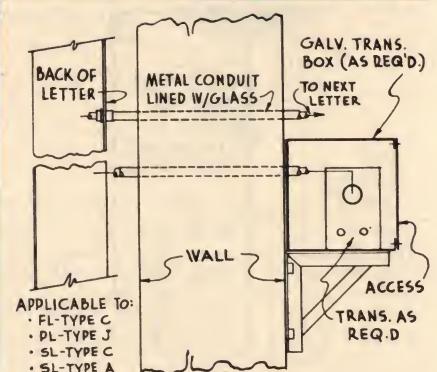
IW-TYPE A

IN-THE WALL TRANS. & WIRING RACEWAY



BW-TYPE B

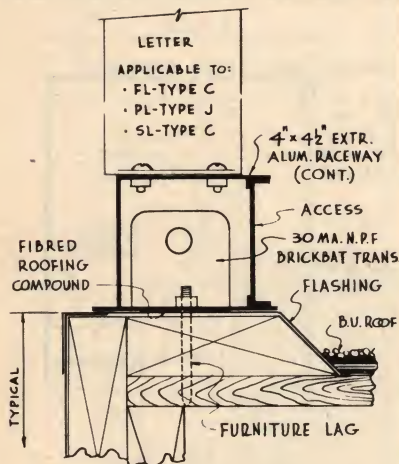
CONTINUOUS RACEWAY BEHIND WALL



BW-TYPE C

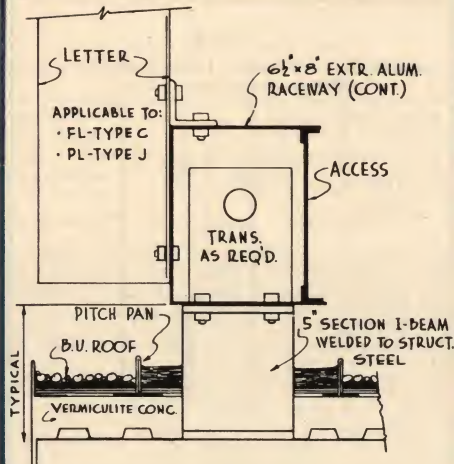
TRANSFORMER BOXES BEHIND WALL

RAIL MOUNTING METHODS — LIGHTED LETTERS



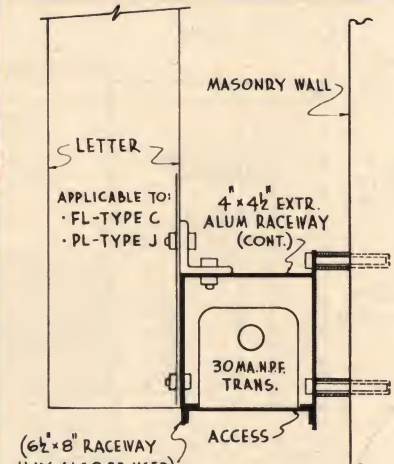
RM-TYPE M

RACEWAY MOUNTED TO CANOPY



RM-TYPE N

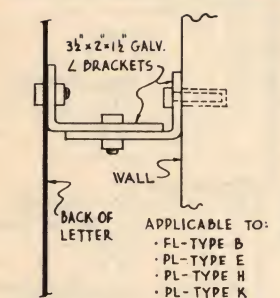
RACEWAY MOUNTED TO CANOPY



RM-TYPE O

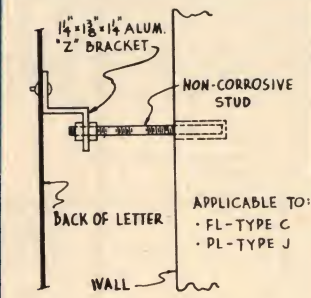
RACEWAY MOUNTED TO WALL

WALL MOUNTING METHODS — LIGHTED LETTERS



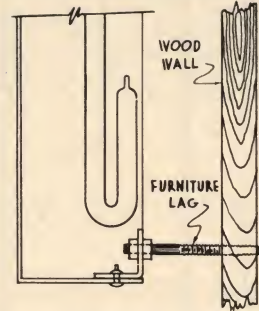
WM-TYPE Y

MOUNTING METHOD FOR LETTERS W/BACKS - LIGHTED OR UNLIGHTED



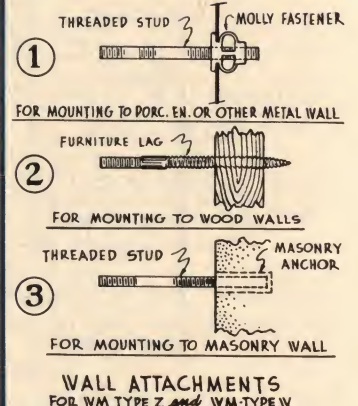
WM-TYPE Z ①②③

MOUNTING METHOD FOR LETTERS W/BACKS - LIGHTED OR UNLIGHTED



WM-TYPE W ①②③

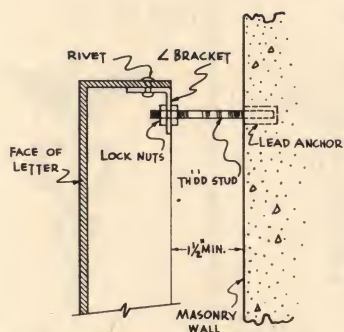
MOUNTING FOR SILHOUETTE LIGHTED LETTERS



WALL ATTACHMENTS FOR WM-TYPE Z and WM-TYPE W

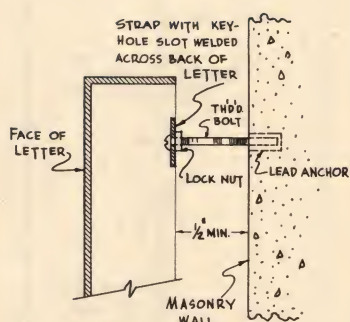
ALSO SPECIAL MOUNTINGS TO FIT YOUR REQUIREMENTS

mounting details - non-lighted letters



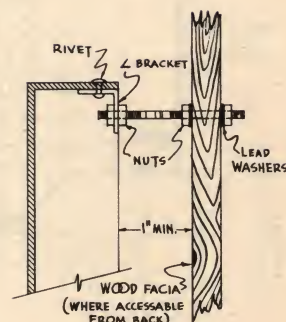
MOUNTING DETAIL
PM-TYPE B

PARALLEL MOUNTING TO MASONRY
CAST OR FAB. REVERSE CHANNEL LETTERS



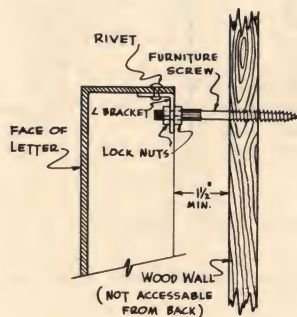
MOUNTING DETAIL
PM-TYPE C

PARALLEL MOUNTING TO MASONRY
CAST OR FAB. REVERSE CHANNEL LETTERS



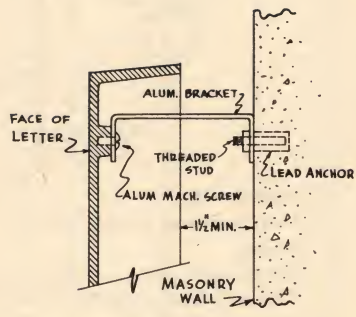
PM-TYPE F

PARALLEL MOUNTING TO BACKGROUNDS
CAST OR FAB. REVERSE CHANNEL LETTERS



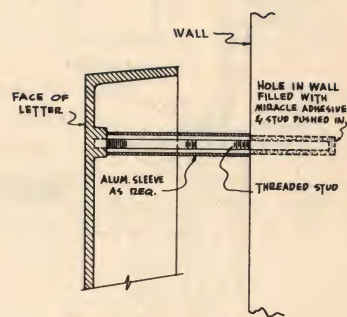
PM-TYPE G

PARALLEL MOUNTING TO WOOD
CAST OR FABRICATED REV. CHANNEL LETTERS



PM-TYPE D

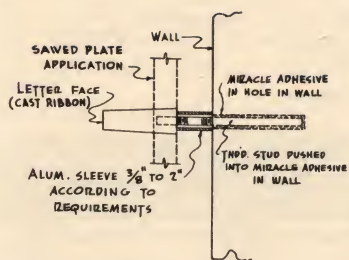
PARALLEL MOUNTING TO MASONRY
CAST REVERSE CHANNEL LETTERS



MOUNTING DETAIL

PM-TYPE K

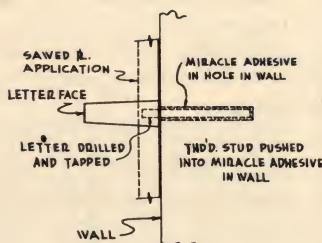
CAST REVERSE CHANNEL LETTERS



MOUNTING DETAIL

PM-TYPE L

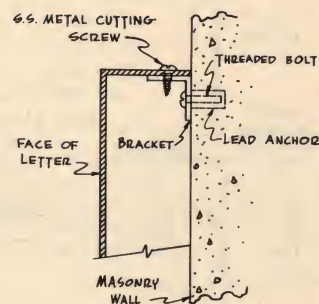
SOLID CAST LETTERS
SAWED PLATE LETTERS



MOUNTING DETAIL

FM-TYPE E

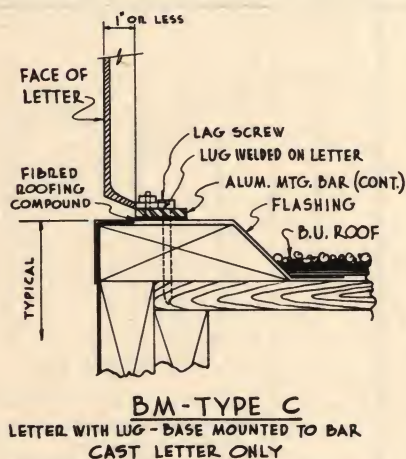
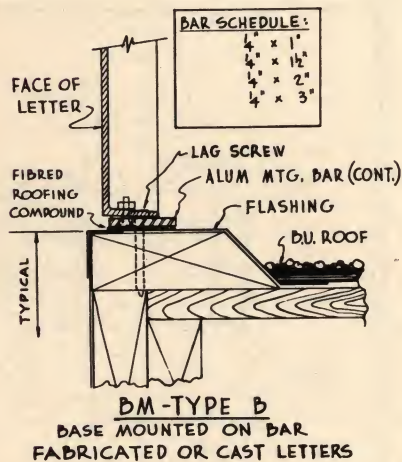
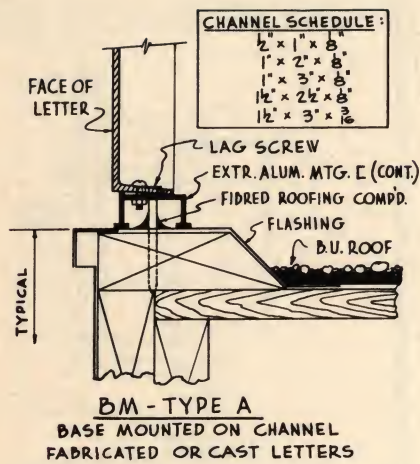
FLUSH MOUNTING
SOLID CAST LETTERS - SAWED PLATE LETTERS



FM-TYPE F

FLUSH MOUNTING TO MASONRY
FABRICATED OR CAST LETTERS

mounting details



SPECIAL STOCK DESIGN ITEMS

caducei

STYLE NO. 52



STYLE NO. 53



STYLE NO. 55



STYLE NO. 50



STYLE NO. 51



STYLE NO. 54



materials

Cast aluminum caducei are cast of F-214 alloy aluminum ingots.

finish

Sandblasted aluminum (coated with clear lacquer) or any color baked-on enamel. Also, sandblasted aluminum, aluminized.

sizes and styles

Designs illustrated are from our stock patterns. Sizes other than those shown can be furnished with a small pattern charge.

colors

Standard baked-on enamel finishes come in the following colors: Red, yellow, orange, blue, gloss black, dull black, white, green, turquoise, cream, brown or maroon (chart available on request).

mounting

Casting drilled and tapped for 1/4" mounting studs.

specifications

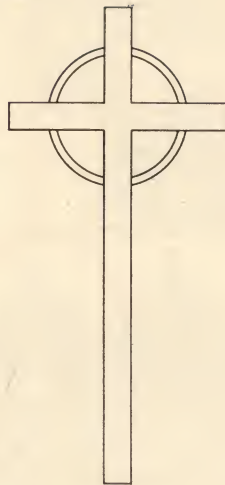
The Caduceus shown on the plans will be Style No. 52 as manufactured by Colonial-Hites Company of West Columbia, S. C. The caduceus will be 60" high, which is listed as a stock pattern. This caduceus will have a BAKED-ON ENAMEL (COLOR SELECTED) finish. Detail shop drawings to be submitted for approval prior to fabrication.

prices

Style	Size	Sandblasted Aluminum (coated with clear lacquer or baked-on enamel.)	Sandblasted Aluminum Aluminized
50	15"	\$ 38.00	\$ 48.00
51	48"	138.00	178.00
51	60"	190.00	235.00
51	96"	575.00	712.00
52	24"	80.00	96.00
52	36"	105.00	135.00
52	60"	160.00	205.00
53	12"	28.00	38.00
54	36"	125.00	155.00
54	84"	650.00	780.00
55	52"	140.00	185.00

crosses

TYPE #1



EXTRUDED ALUMINUM TUBING



#101 #102

AVAILABLE SIZES

1" x 1"
1" x 2"
1 3/4" x 4"
1 3/4" x 5"
2" x 2"
2" x 5"
3" x 3"
4" x 4"

EXTRUDED ALUMINUM CHANNEL



#103

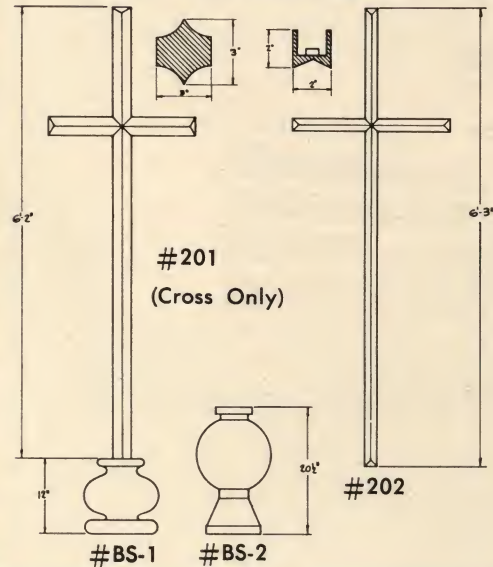
AVAILABLE SIZES

1" x 1" x 1"
1" x 2" x 1"
1" x 3" x 1"
1 3/4" x 3" x 1 3/4"
2" x 5" x 2"
4 1/2" x 4" x 4 1/2" *

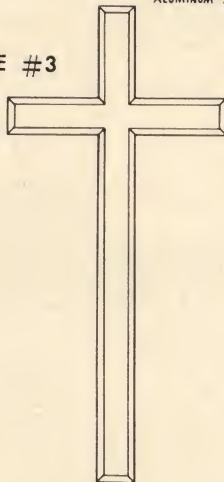
* Available With
Screwed On or Welded On Back.

CAST ALUMINUM - STOCK PATTERNS

TYPE #2

DRAKE FORMED SHAPES
ALUMINUM - STAINLESS STEEL - SHEET BRONZE - PORCELAIN EN.

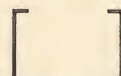
TYPE #3



#302



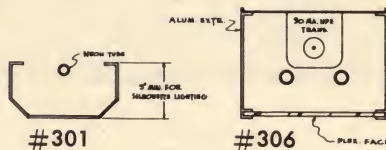
#303



#304



#305

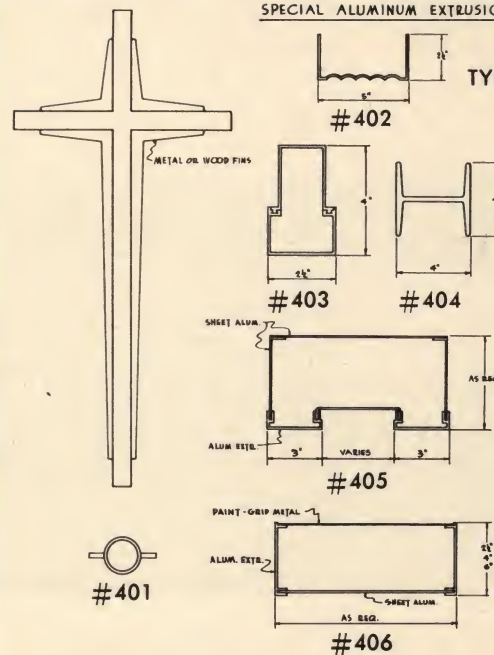


#301

#306

SPECIAL ALUMINUM EXTRUSIONS

TYPE #4



#401

#406

materials

Extruded aluminum sections as illustrated. #302, 18-8 alloy, #4 polish stainless steel. Cast aluminum crosses are cast of F-214 alloy. Commercial bronze sheet (copper 90%, zinc 10%).

sizes and styles

Any design or size can be reproduced — either by casting or fabrication. The fabricated units are the more economical.

finishes

Aluminum: Natural, aluminite, baked-on enamel.
Stainless Steel: #4 polish.
Sheet Bronze: Satin or oxidized.

mounting

As required by job conditions. Free standing crosses may require special internal bracing.

specifications

The cross shown on the plans will be Design No. 302 as manufactured by Colonial-Hites Co. of West Columbia, S. C. The cross will be fabricated from .091" ALUMINUM in dimensions detailed in the plans and will have a NATURAL ALUMINUM finish. Cross shall be mounted 2" FROM WALL with rustproof hardware.

prices

Quoted on request. Please furnish take-off and/or all necessary information.

TYPICAL INSTALLATIONS



ILLUMINATED PLEXIGLAS* FACE LETTERS

Circular discs, 7'10" diameter. Pans have #2030 green Plexiglas* faces internally illuminated. Letters S C N, 52" high, set in face, internally illuminated independent of background, letters SOUTH CAROLINA NATIONAL BANK, 12" high, 951 Chicago style, gray enamel finish.



ILLUMINATED PLEXIGLAS* FACE LETTERS

Masters 36" and 24" high, white faces. Bowling Lanes 24" high, white faces. Fabricated of .091" aluminum, enameled white, with translucent Plexiglas* faces, white neon tubing for lighting. Ball 67" high, 1/2 round, pin 120" high, 1/2 round. Moulded of clear Plexiglas*, processed in colors. Internally lighted by H. O. T-12 lamps and 800 MA ballasts.



PROJECT SIGN — STEEL PIPE FRAME

.091" aluminum face panels, with channel face letters. Sign 22'0" wide x 31'8". P-5'5", PARKLAND 3'1", SHOPPING CENTER, 24" high, all 3" deep, white baked-on enamel. Double white 15 MM neon tubes on PARKLAND, single white 15 MM neon tubes on SHOPPING CENTER.



ILLUMINATED PLEXIGLAS* FACE LETTERS

Triangular pylon sign. Panels 9'0" x 6'0" of W7328 white Plexiglas*. Letters Reynolds Aluminum, 10" high, 3/4" deep, .125" welded aluminum black enamel, attached with studs. Emblem of cast aluminum, anodized natural. Lighting by H. O. T-12 lamps and 800 MA ballasts.

Colonial-Hites Company

232 Parson Street, West Columbia, S. C., Phone ALpine 6-0606

regional offices

NEW YORK 3, N. Y.	229 Park Avenue South	AL 4-3848
GREENSBORO, N. C.	2103 W. Lee Street	BR 5-7609
JACKSONVILLE 11, FLA.	2441 Sam Road	RA 5-1544
ATLANTA 9, GA.	1366 Peachtree Street, N. E.	TR 6-0525
CLEVELAND 14, OHIO	1470 Chester Avenue	MA 1-5879

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